

IN THE CLAIMS:

Please amend Claims 1, 3, 4, 9, 11, 12, 17, 19, and 20. The following is a complete listing of the claims, and replaces all earlier version and listings.

Claim 1 (currently amended): A computer-implemented method of restructuring an input HTML document to comply with strict HTML, said method comprising the steps of:

(a) linearly traversing the input HTML document to create a hierarchical tree structure representation, the traversal maintaining a current insertion point for elements within the tree structure representation;

(b) during the traversal, identifying elements of the input HTML document that violate strict HTML, and, for each identified element:

(b)(I) retracing the tree structure representation from the current insertion point to identify a further insertion point from which the identified element can depend, the retracing comprising noting each parent element of the identified element passed during the retracing;

(b)(ii) appending the identified element at the further insertion point[.,,];

(b)(iii) creating new elements in the tree structure representation corresponding to the parent elements passed during the retracing, the new elements being created in reverse chronological order to that encountered during the retracing; and

~~(b)(iii)~~ (b)(iv) appending each new element to the identified element to a terminal one of the new elements by creating a as a corresponding link from the appended identified element to a first back element to the corresponding parent element encountered during the retracing; and

©) converting the tree structure representation into an output HTML document.

Claim 2 (canceled).

Claim 3 (currently amended): The method according to claim 1, wherein ~~[[the]]~~ each link back element comprises a vector.

Claim 4 (currently amended): The method according to claim 1, wherein step ~~(b)(iii)~~ (b)(iv) comprises copying a syntax of the first parent element encountered during the retracing to the appended identified element.

Claim 5 (previously presented): The method according to claim 1, wherein one or more of the elements comprises information associated therewith, said method comprising the further steps, before step (a), of:

performing an initial pass of the input HTML document to identify the elements having the associated information, and maintaining a record of each such element

and the corresponding associated information whereby each time the element is placed in the tree structure representation, the corresponding associated information is associated therewith.

Claim 6 (previously presented): The method according to claim 1, further comprising the step of:

(d) reproducing the output HTML document.

Claim 7 (previously presented): The method according to claim 6, wherein the output HTML document is reproduced using a video display.

Claim 8 (previously presented): The method according to claim 6, wherein the output HTML document is reproduced using a printer.

Claim 9 (currently amended): An apparatus for restructuring an input HTML document to comply with strict HTML, said apparatus comprising:

means for linearly traversing the input HTML document to create a hierarchical tree structure representation, the traversal maintaining a current insertion point for elements within the tree structure representation;

means for identifying, during the traversal, an element of the input HTML document that violates strict HTML;

means for retracing the tree structure representation from the current insertion point to identify a further insertion point from which the identified element can

depend, the retracing comprising noting each parent element of the identified element passed during the retracing;

means for ~~creating~~ appending the identified element, at the further insertion point[[,]];

means for creating at least one new element in the tree structure representation corresponding to the parent elements passed during the retracing, the new elements being created in reverse chronological order to that encountered during the retracing; [[and]]

means for appending each new element to the identified element ~~to a terminal one of the new elements by creating as a corresponding link from the appended identified back element to a first the corresponding~~ parent element encountered during the retracing; and

means for converting the tree structure representation into an output HTML document.

Claim 10 (canceled).

Claim 11 (currently amended): The apparatus according to claim 9, wherein [[the]] each link back element comprises a vector.

Claim 12 (currently amended): The apparatus according to claim 9, wherein said means for appending each new element copies a syntax of the first parent element encountered during the retracing to the appended identified element.

Claim 13 (previously presented): The apparatus according to claim 9, wherein one or more of the elements comprises information associated therewith, and said apparatus further comprises:

means for performing an initial pass of the input HTML document to identify the elements having the associated information, and for maintaining a record of each such element and the corresponding associated information whereby each time the element is placed in the tree structure representation, the corresponding associated information is associated therewith.

Claim 14 (previously presented): The apparatus according to claim 9, further comprising means for reproducing the output HTML document.

Claim 15 (previously presented): The apparatus according to claim 14, wherein said means for reproducing comprises a video display.

Claim 16 (previously presented): The apparatus according to claim 14, wherein said means for reproducing comprises a printer.

Claim 17 (currently amended): A computer readable medium, having a program recorded thereon, wherein the program is configured to make a computer execute a procedure to restructure an input HTML document to comply with strict HTML, said program comprising:

code for linearly traversing the input HTML document to create a hierarchical tree structure representation, the traversal maintaining a current insertion point for elements within the tree structure representation;

code for, during the traversal, identifying an element of the input HTML document that violate strict HTML;

code for retracing the tree structure representation from the current insertion point to identify a further insertion point from which the identified element can depend, the retracing comprising noting each parent element of the identified element passed during the retracing;

code for ~~creating~~ appending the identified element at the further insertion point;

code for creating new elements in the tree structure representation ~~at the further insertion point, the new elements~~ corresponding to the parent elements passed during the retracing, the new elements being created in reverse chronological order to that encountered during the retracing; [[and]]

code for appending each new element to the identified element ~~to a terminal one of the new elements by creating a~~ as a corresponding link from the appended identified

~~element to a first~~ back element to the corresponding parent element encountered during the retracing; and

code for converting the tree structure representation into an output HTML document.

Claim 18 (canceled).

Claim 19 (currently amended): The computer readable medium according to claim 17, wherein [[the]] each link back element comprises a vector.

Claim 20 (currently amended): The computer readable medium according to claim 17, wherein the code for appending each new element comprises code for copying a syntax of the first parent element encountered during the retracing to the appended identified element.

Claim 21 (previously presented): The computer readable medium according to claim 17, wherein one or more of the elements comprises information associated therewith, and said program further comprises:

code for performing an initial pass of the input HTML document to identify the elements having the associated information, and for maintaining a record of each such element and the corresponding associated information whereby each time the element is

placed in the tree structure representation, the corresponding associated information is associated therewith.

Claim 22 (previously presented): The computer readable medium according to claim 17, said program further comprising code for reproducing the output HTML document.

Claim 23 (previously presented): The computer readable medium according to claim 22, wherein the output HTML document is reproduced using a video display.

Claim 24 (previously presented): The computer readable medium according to claim 22, wherein the output HTML document is reproduced using a printer.